February 16, 2017

ADDENDUM No. 1

The following changes and/or clarifications shall be incorporated into the contract documents:

1. See attached limited hazardous materials survey report, dated February 3, 2017, by PBS.

DRAWINGS:

CIVIL:

ELECTRICAL:

SPECIFICATIONS:

APPROVED SUBSTITUTIONS:

REJECTED SUBSTITUTIONS:

Attachments:
Haz-Mat Report by PBS

END OF ADDENDUM No. 1

February 3, 2017

Mr. James Castino
Principal
Castino Architecture
4810 Pt. Fosdick Dr NW, Ste E-9
Gig Harbor, WA 98335

**RE: Limited Hazardous Materials Survey Summary**
**Army National Guard Kent Readiness Center – Building 507**
**24410 Military Road, Kent, Washington**
**PBS Project #41427.000**

Dear Mr. Castino:

PBS Engineering and Environmental, Inc. (PBS) performed a limited hazardous materials survey of Building 507 at the Army National Guard Kent Readiness Center in Kent, Washington. The intent of this letter is to ensure that the National Guard Kent Readiness Center is in compliance with the Washington State Department of Labor and Industries and Puget Sound Clean Air Agency requirement that a "good faith" inspection for asbestos-containing materials be performed prior to construction activities.

Based on our communication, PBS understands that Building 507 will be demolished. Materials anticipated to be impacted by demolition activities at Building 507 were sampled for the presence of asbestos-containing materials (ACMs) and lead-containing paint.

## SURVEY PROCESS

Building 507 was inspected by AHERA-accredited Asbestos Building Inspector, H. David Toy JR. (Cert. #159638, Exp. 11/02/2017) on November 26, 2017, for the presence of suspect ACMs. When observed, suspect materials anticipated to be impacted by renovation activities were noted, sampled and assigned a unique identification number and delivered to Seattle Asbestos Test (NVLAP #201057-0) in Seattle, Washington for analysis using Polarized Light Microscopy (PLM).

## FINDINGS

### Asbestos-Containing Materials (ACM)

Twelve (12) samples of suspect ACMs were collected and analyzed. Suspect ACMs sampled during PBS's inspection included only materials from Building 507 that will be potentially impacted by demolition activities.

The following materials were sampled and determined to contain **greater than 1% asbestos**.

- **Built-up Roofing** – throughout roof, approximately 420 SF;
- **Black Roofing Tape** – at flashing on south roof edge, approximately 28 LF;
- **Joint Compound** associated with gypsum wallboard (<1% Composite) – interior ceiling.

The following materials were sampled and found to be non-asbestos.

- Carpet mastic;
- Covebase and associated mastic;
- Vinyl floor tile and associated mastic;
- Ceiling tile.

**Lead-Containing Paint**

Five (5) representative painted coating was sampled for lead content. The sample was assigned a unique identification number and transmitted for analysis to EMSL Labs under chain-of-custody protocols. The paint sample was analyzed for Lead by Flame Atomic Absorption Analysis.

One (1) of the five (5) paint samples contained detectable lead.

- **Beige Paint** – exterior wall – 0.011% lead.

See attached Bulk Sample Data Sheet and laboratory report for additional information.

**RECOMMENDATIONS**

**Asbestos-Containing Materials (ACM)**

Removal and disposal of ACM or presumed ACM, that contains greater than 1% asbestos, should only be performed by appropriately training and certified personnel in accordance with applicable local, state and federal regulations. Proper worker training, personal protective equipment, engineering controls and housekeeping procedures must be utilized as required.

Asbestos-containing joint compound associated with non-asbestos gypsum wallboard (GWB) is present in the ceiling of Building 507. The presence of less than 1% asbestos in wallboard systems requires personnel impacting the material to adhere to regulatory requirements outlined in WAC 296-62-17712(2) and training as outlined in WAC 296-62-07722(5) and WAC 296-62-0728. Personal protective equipment and proper work practices are required pending the completion of a negative exposure assessment. Such an assessment may include employee exposure air monitoring. Refer to WISHA Regional Directive 23.30 for additional information.

Caution should be exercised during demolition, as concealed ACMs may exist in various locations. Work that may impact asbestos should only be performed by personnel having received proper training and utilizing proper worker protection according to WISHA standards. Work impacting asbestos is subject to the requirements of various regulations, including, but not limited to: 40 CFR Part 61, NESHAPS; 40 CFR Part 763, AHERA; WAC 296-62 and 296-65; and Puget Sound Clean Air Agency Regulations.

**Lead-Containing Paint**

Impact of painted surfaces with detectable concentrations of lead requires construction activities to be performed according to Washington Labor and Industries regulations for Lead in Construction (WAC 296-62-155). Workers impacting LCP should be provided the proper personal protective equipment and use proper work methods to limit occupational and environmental exposure to lead until an initial exposure assessment has been conducted.

Report prepared by:

H. David Toy JR.
AHERA Building Inspector
Cert. #1596378, Exp. 11/02/2017

Report reviewed by:

Mark Hiley
Senior Project Manager

Attachments: PLM Asbestos Laboratory Data Sheets, Chain of Custody
AA Lead Paint Chip Laboratory Data Sheets, Chain of Custody
PBS Inspector Certification

PBS 20170340_m

PROJECT: Kent Readiness Center PROJ. # 41427.000

Analysis requested: PLM Date: 1-26-17

Relinq'd by/Signature: [signature] Date/Time: 1-26-17 16:04

Received by/Signature: Cassie Hoaring Date/Time: 1/26/17 16:04

Fax results to: Analysis by [illegible] SBT 1/27/17 9:25

| | | | | | |
|---|---|---|---|---|---|
| ☐ | Brian Stanford | ☐ | Prudy Stoudt-McRae | ☐ | Ferman Fletcher |
| ☒ | David Toy | ☐ | Grant Baker | ☐ | Tim Ogden |
| ☐ | Gregg Middaugh | ☐ | Janet Murphy | ☐ | Mike Smith |
| ☒ | Mark Hiley | ☐ | Willem Mager | ☐ | Chuck Greeb |
| | | | | ☐ | Kevin Hood |

**TURN AROUND TIME:**

| | | | | | |
|---|---|---|---|---|---|
| ☐ | 1 Hour | ☒ | 24 Hours | ☐ | 3-5 Days |
| ☐ | 2 Hours | ☐ | 48 Hours | ☐ | Other_____ |
| ☐ | 4 Hours | | | | |

*Report Composite results for JC & GWB*

**BULK SAMPLE DATA FORM**

| Lab # | Sample # | Material | Location | Lab |
|---|---|---|---|---|
| | 41427.000 - 01 | JC/GWB | ceiling E. room @ int. door | S.A.T. |
| | -02 | JC/GWB | ceiling E. room S.E. corner | |
| | -03 | White 2'x4' ceiling tile | E. room N. wall @ E. door | |
| | -04 | White 2'x4' ceiling tile | E. room S.E. corner | |
| | -05 | 12" Beige VFT/yellow mastic | E. room S.E. corner | |
| | -06 | 12" Beige VFT/yellow mastic | E. room N. wall 2' w. of E. door | |
| | -07 | Brown covebase/Brown mastic | W. room N. wall @ entry door | |
| | -08 | Brown covebase/Brown mastic | E. room S.E. corner | |
| | -09 | Yellow carpet mastic | W. room @ interior door | |
| | -10 | Black roofing tape | S. edge on flashing | |
| | -11 | Roll down roofing | S.W. section 15" from W. edge | |
| | -12 | Roll down roofing | S.E. corner section 10" from E. edge | |
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## SEATTLE ASBESTOS TEST

Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105, Tel: 206.633.1111, Fax: 206.633.4747, NVLAP Lab Code: 201057-0

### ANALYTICAL LABORATORY REPORT

**PLM by Method EPA/600/R-93/116**

**Attn.:** Mr. David Toy **Client:** PBS Engineering and Environmental, Seattle **Address:** 2517 Eastlake Ave. E., Suite 100, Seattle, WA 98102

**Job#:** 41427.000 **Batch#:** 201709420 **Date Received:** 1/26/2017

**Samples Rec'd:** 12 **Date Analyzed:** 1/27/2017 **Samples Analyzed:** 12

**Project Loc.:** Kent Rediness Center

Analyzed by: Carolyn Yeo/Cassie Huang Reviewed by: Steve (Fanyao) Zhang, President

| Lab ID | Client Sample ID | Layer | Description | % | Asbestos Fibers | Non-fibrous Components | % | Non-asbestos Fibers |
|---|---|---|---|---|---|---|---|---|
| 1 | 41427.000-01 | 1 | Tan powdery material with paint | 2 | **Chrysotile** | Binder/filler, Paint | 2 | Cellulose |
| | Composite result <1% | 2 | White chalky material with paper | | **None detected** | Binder/filler, Gypsum/binder | 26 | Cellulose |
| 2 | 41427.000-02 | 1 | Tan powdery material with paint | 2 | **Chrysotile** | Binder/filler, Paint | 3 | Cellulose |
| | Composite result <1% | 2 | White chalky material with paper | | **None detected** | Binder/filler, Gypsum/binder | 21 | Cellulose |
| 3 | 41427.000-03 | 1 | Brown fibrous material with paint | | **None detected** | Filler, Paint | 87 | Cellulose |
| 4 | 41427.000-04 | 1 | Brown fibrous material with paint | | **None detected** | Filler, Paint | 84 | Cellulose |
| 5 | 41427.000-05 | 1 | Beige tile | | **None detected** | Vinyl/binder, Mineral grains | 3 | Cellulose |
| | | 2 | Yellow mastic | | **None detected** | Mastic/binder | 2 | Cellulose |
| | | 3 | Gray paint | | **None detected** | Paint/binder | 2 | Cellulose |
| 6 | 41427.000-06 | 1 | Beige tile | | **None detected** | Vinyl/binder, Mineral grains | 4 | Cellulose |
| | | 2 | Yellow mastic | | **None detected** | Mastic/binder | 3 | Cellulose |
| 7 | 41427.000-7 | 1 | Brown rubbery material | | **None detected** | Rubber/binder | 2 | Cellulose |
| | | 2 | Brown mastic | | **None detected** | Mastic/binder | 4 | Cellulose |
| 8 | 41427.000-8 | 1 | Brown rubbery material | | **None detected** | Rubber/binder | 2 | Cellulose |
| | | 2 | Brown mastic | | **None detected** | Mastic/binder | 3 | Cellulose |
| 9 | 41427.000-9 | 1 | Yellow mastic with paint | | **None detected** | Mastic/binder, Paint | 5 | Cellulose |
| 10 | 41427.000-10 | 1 | Black/white soft/elastic material | | **None detected** | Binder, Filler | 4 | Cellulose |
| | | 2 | Light gray soft material | | **None detected** | Filler, Binder | 3 | Cellulose |
| | | 3 | Black asphaltic material | 2 | **Chrysotile** | Asphalt/binder | 5 | Cellulose |
| 11 | 41427.000-11 | 1 | Black asphaltic material | 3 | **Chrysotile** | Asphalt/binder | 4 | Cellulose |
| | | 2 | Black asphaltic material with fibrous material | 3 | **Chrysotile** | Asphalt/binder, Binder/filler | 28 | Cellulose, Glass fibers |
| | | 3 | Black asphaltic material | 2 | **Chrysotile** | Asphalt/binder | 3 | Cellulose |

## SEATTLE ASBESTOS TEST

Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105, Tel: 206.633.1111, Fax: 206.633.4747, NVLAP Lab Code: 201057-0

### ANALYTICAL LABORATORY REPORT

**PLM by Method EPA/600/R-93/116**

**Attn.:** Mr. David Toy **Client:** PBS Engineering and Environmental, Seattle **Address:** 2517 Eastlake Ave. E., Suite 100, Seattle, WA 98102

**Job#:** 41427.000 **Batch#:** 201709420 **Date Received:** 1/26/2017

**Samples Rec'd:** 12 **Date Analyzed:** 1/27/2017 **Samples Analyzed:** 12

**Project Loc.:** Kent Rediness Center

Analyzed by: Carolyn Yeo/Cassie Huang Reviewed by: Steve (Fanyao) Zhang, President

| Lab ID | Client Sample ID | Layer | Description | % | Asbestos Fibers | Non-fibrous Components | % | Non-asbestos Fibers |
|---|---|---|---|---|---|---|---|---|
| | | 4 | Black asphaltic material with fibrous material | 3 | **Chrysotile** | Asphalt/binder, Binder/filler | 26 | Cellulose, Glass fibers |
| | | 5 | Black asphaltic material | 3 | **Chrysotile** | Asphalt/binder | 5 | Cellulose |
| | | 6 | Black asphaltic fibrous material | | **None detected** | Asphalt/binder, Binder/filler | 70 | Cellulose |
| | | 7 | Black asphaltic material | 3 | **Chrysotile** | Asphalt/binder | 6 | Cellulose |
| | | 8 | Black asphaltic material with fibrous material | | **None detected** | Asphalt/binder, Binder/filler | 25 | Cellulose |
| | | 9 | Black asphaltic material | | **None detected** | Asphalt/binder | 3 | Cellulose |
| | | 10 | Black asphaltic material with fibrous material | | **None detected** | Asphalt/binder, Binder/filler | 22 | Cellulose |
| | | 11 | Multi-layer black asphaltic material | | **None detected** | Asphalt/binder | 2 | Cellulose |
| | | 12 | Multi-layer black asphaltic material with fibrous material | | **None detected** | Asphalt/binder, Binder/filler | 24 | Cellulose |
| 12 | 41427.000-12 | 1 | Black asphaltic material | 3 | **Chrysotile** | Asphalt/binder | 5 | Cellulose |
| | | 2 | Black asphaltic material with fibrous material | 3 | **Chrysotile** | Asphalt/binder, Binder/filler | 24 | Cellulose, Glass fibers |
| | | 3 | Black asphaltic material | 2 | **Chrysotile** | Asphalt/binder | 4 | Cellulose |
| | | 4 | Black asphaltic material with fibrous material | 3 | **Chrysotile** | Asphalt/binder, Binder/filler | 27 | Cellulose, Glass fibers |
| | | 5 | Black asphaltic material | 3 | **Chrysotile** | Asphalt/binder | 3 | Cellulose |
| | | 6 | Black asphaltic material with fibrous material | | **None detected** | Asphalt/binder, Binder/filler | 23 | Cellulose |
| | | 7 | Black asphaltic material | | **None detected** | Asphalt/binder | 3 | Cellulose |
| | | 8 | Black asphaltic material with fibrous material | | **None detected** | Asphalt/binder, Binder/filler | 23 | Cellulose |
| | | 9 | Black asphaltic material with sand | | **None detected** | Asphalt/binder, Sand | 5 | Glass fibers |

**EMSL Analytical, Inc.**
**3317 3rd Ave S, Suite D 2nd floor, Seattle, WA 98134**
Phone/Fax: 2062696310 / (206) 900-8789
http://www.emsl.com seattlelab@emsl.com

| | |
|---|---|
| EMSL Order: | 511700242 |
| CustomerID: | PBSE51 |
| CustomerPO: | |
| ProjectID: | |

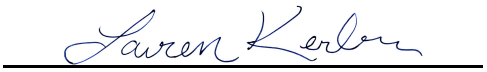
Attn: **David Toy**
**PBS Engineering & Environmental, Inc.**
**2517 Eastlake Ave. East Ste. 100**
**Seattle, WA 98102**

| | |
|---|---|
| Phone: | (206) 233-9639 |
| Fax: | (206) 762-4780 |
| Received: | 01/26/17 3:15 PM |
| Collected: | |

Project: **41427.000**

# Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

| *Client Sample Description* | *Lab ID* | *Collected* | *Analyzed* | *Lead Concentration* |
|---|---|---|---|---|
| Pb41427.000-01 | *511700242-0001* | | 1/27/2017 | <0.011 % wt |
| | Site: Beige paint (ext), S wall 3' from E edge | | | |
| Pb41427.000-02 | *511700242-0002* | | 1/27/2017 | 0.011 % wt |
| | Site: Beige paint (ext), N wall @ E window 6' from E edge | | | |
| Pb41427.000-03 | *511700242-0003* | | 1/27/2017 | <0.070 % wt |
| | Site: Beige paint (ext), S wall 7' from W edge<br>Data reported may not reach applicable analytical sensitivity due to insufficient sample weights submitted. Suggested weight for analysis is 0.2 g. | | | |
| Pb41427.000-04 | *511700242-0004* | | 1/27/2017 | <0.028 % wt |
| | Site: White paint (int), N wall @ E door 1' below switch<br>Data reported may not reach applicable analytical sensitivity due to insufficient sample weights submitted. Suggested weight for analysis is 0.2 g. | | | |
| Pb41427.000-05 | *511700242-0005* | | 1/27/2017 | <0.013 % wt |
| | Site: White paint (int), S wall SE corner<br>Data reported may not reach applicable analytical sensitivity due to insufficient sample weights submitted. Suggested weight for analysis is 0.2 g. | | | |



Lauren Kerber, Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Seattle, WA

Initial report from 01/27/2017 13:54:20

# Certificate of Completion

This is to certify that

## Henry D. Toy, Jr.

has satisfactorily completed
4 hours of refresher training as an

## Asbestos Building Inspector

to comply with the training requirements of
TSCA Title II / 40 CFR 763 (AHERA)

Certificate #
159638

Instructor
EPA Provider Certificate #1085

ARGUS PACIFIC
TRAINING • CONSULTING
A Terracon COMPANY

Nov 2, 2016
Date(s) of Training
Exam Score: NA
Expiration Date: Nov 2, 2017

ARGUS PACIFIC, INC / 1900 WEST NICKERSON ST, SUITE 315 / SEATTLE, WASHINGTON 98119 / 206.285.3373 / ARGUSPACIFIC.COM